

ARG55823
anti-Fxyd 1 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Fxyd 1
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Fxyd 1
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide around the N-terminal region of Mouse Fxyd 1.
Conjugation	Un-conjugated
Alternate Names	FXYD domain-containing ion transport regulator 1; Phospholemman; 0610012C17Rik; 1110006M24Rik; Pml; Plm

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat heart	

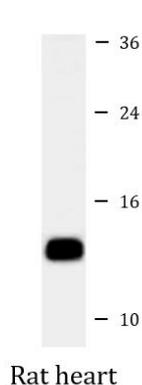
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 56188 Mouse GeneID: 58971 Rat Swiss-port # O08589 Rat Swiss-port # Q9Z239 Mouse
Gene Symbol	Fxyd1
Gene Full Name	FXYP domain-containing ion transport regulator 1
Background	This gene encodes a member of the FXYP family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYP and containing 7 invariant and 6 highly conserved amino acids. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity and act as an accessory protein of Na,K-ATPase. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]
Function	May have a functional role in muscle contraction. Induces a hyperpolarization-activated chloride current when exogenously expressed (By similarity). [UniProt]
Calculated Mw	10 kDa
PTM	Major plasma membrane substrate for cAMP-dependent protein kinase (PK-A) and protein kinase C (PK-C) in several different tissues (By similarity). Phosphorylated in response to insulin and adrenergic stimulation. May be phosphorylated by DMPK. Palmitoylation increases half-life and stability, it is enhanced upon phosphorylation at Ser-88 by PKA.
Cellular Localization	Membrane; Single-pass type I membrane protein

Images



ARG55823 anti-Fxyd 1 antibody WB image

Western blot: 35 µg of Rat heart lysate stained with ARG55823 anti-Fxyd 1 antibody.